IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

**Patent Application**

**Patent Application**

| Inventor(s) | Ayman F Naguib | Case Name | Calderbank 2000- |
| | Arthur R Calderbank | | 0238 |
| Filing Date | 10/13/2000 | Serial No. | 09/687,238 |
| Examiner | Jean B. Corrielus | Group Art Unit | 2631 |
| Title | Equalization of Transmit Diversity Space-Time Coded Signals | | |

**PATENT No. 7,010,029      ISSUED:      03/07/2006**

ASSISTANT COMMISSIONER FOR PATENTS
   WASHINGTON, D.C.  20231
SIR:

<u>REQUEST FOR ISSUANCE OF CERTIFICATE OF CORRECTION
UNDER 37 CFR 1.322</u>

In accordance with the provisions of 37 CFR 1.322, please issue a Certificate of
Correction for the above-numbered patent as set forth in the attached Certificate of
Correction form.

The location of the mistakes in the printed patent are set forth by column and line number
in the attached Certificate of Correction.

The Commissioner is authorized to charge Deposit Account No. 500732 in the name of
Henry T. Brendzel, the amount due.

<div style="margin-left: 40%;">

Respectfully,
Ayman F Naguib
Arthur R Calderbank

</div>

Dated: 3/1/2010

<div style="margin-left: 40%;">

By:  /Henry T. Brendzel/
   Henry T. Brendzel
   Reg. No. 26,844
   Phone  (973) 467-2025
   Fax   (973) 467-6589
   email   brendzel@comcast.net

</div>

## UNITED STATES PATENT AND TRADMARK OFFICE
# CERTIFICATE OF CORRECTION

Patent No    : **US 7,010,029**

Dated        : **03/07/2006**

Inventor(s)  : **Ayman F. Naguib and Arthur R. Calderbank**

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

IN THE SPECIFICATION

On the Coversheet, (57) ABSTRACT, the equation in the Abstract

$$``\xi_j(k) = \left| r(k) - \sum_{l=L_1+1}^{L_1} \tilde{h}_j(l)\tilde{s}(k-l) - \sum_{l=L_1+1}^{L+1} \tilde{h}_j(l)\hat{s}(k-l) \right|^2 ``$$

should read

$$-- \xi_j(k) = \left| r(k) - \sum_{l=0}^{L_1} \tilde{h}_j(l)\tilde{s}(k-l) - \sum_{l=L_1+1}^{L+1} \tilde{h}_j(l)\hat{s}(k-l) \right|^2 --$$

Column 2, line 35, equation

$$``\xi_j(k) = \left| r(k) - \sum_{l=L_1+1}^{L_1} \tilde{h}_j(l)\tilde{s}(k-l) - \sum_{l=L_1+1}^{L+1} \tilde{h}_j(l)\hat{s}(k-l) \right|^2 ``$$

should read

$$-- \xi_j(k) = \left| r(k) - \sum_{l=0}^{L_1} \tilde{h}_j(l)\tilde{s}(k-l) - \sum_{l=L_1+1}^{L+1} \tilde{h}_j(l)\hat{s}(k-l) \right|^2 --$$

Column 6, line 35, equation

$$ \text{``} \xi_j(k) = \left| r(k) - \sum_{l=L_1+1}^{L_1} \tilde{h}_j(l)\tilde{s}(k-l) - \sum_{l=L_1+1}^{L+1} \tilde{h}_j(l)\hat{s}(k-l) \right|^2 \text{''} $$

should read

$$ \text{--} \xi_j(k) = \left| r(k) - \sum_{l=0}^{L_1} \tilde{h}_j(l)\tilde{s}(k-l) - \sum_{l=L_1+1}^{L+1} \tilde{h}_j(l)\hat{s}(k-l) \right|^2 \text{--} $$

IN THE CLAIMS

Column 7, line 1, equation

$$ \text{``} \xi_j(k) = \left| r(k) - \sum_{l=L_1+1}^{L_1} \tilde{h}_j(l)\tilde{s}(k-l) - \sum_{l=L_1+1}^{L+1} \tilde{h}_j(l)\hat{s}(k-l) \right|^2 \text{''} $$

should read

$$ \text{--} \xi_j(k) = \left| r(k) - \sum_{l=0}^{L_1} \tilde{h}_j(l)\tilde{s}(k-l) - \sum_{l=L_1+1}^{L+1} \tilde{h}_j(l)\hat{s}(k-l) \right|^2 \text{--} $$

Mailing Address of Sender :    Henry Brendzel
5 Gilbert Place
Millburn, NJ 07041